

## **ABSTRACT**

One aspect of the present invention is a system and method to measure a pressure or other measurement at a source (e.g. a hydraulic power supply) and in or near a downhole tool and compare the measurements to verify that, for example, the supply is reaching the tool. Another aspect of the present invention is a system and method in which a gauge is positioned within a packer. Yet another aspect of the invention relates to a gauge that communicates with the setting chamber of a packer as well as related methods. Other aspects and features of the system and method are also described. It is emphasized that this abstract is provided to comply with the rules requiring an abstract, which will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).